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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/725,778	12/02/2003	Giles R. Frazier	POU920030169US1	3832
7590 Floyd A. Gonzalez IBM Corporation 2455 South Road, P386 Poughkeepsie, NY 12601		12/31/2007	EXAMINER WALSH, JOHN B	
			ART UNIT 2151	PAPER NUMBER
			MAIL DATE 12/31/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

AK

Office Action Summary	Application No.	Applicant(s)
	10/725,778	FRAZIER, GILES R.
	Examiner	Art Unit
	John B. Walsh	2151

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-27 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-27 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 02 December 2003 is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date _____.
- 5) Notice of Informal Patent Application
- 6) Other: _____.

DETAILED ACTION

Information Disclosure Statement

1. The listing of references in the specification is not a proper information disclosure statement. 37 CFR 1.98(b) requires a list of all patents, publications, or other information submitted for consideration by the Office, and MPEP § 609.04(a) states, "the list may not be incorporated into the specification but must be submitted in a separate paper." Therefore, unless the references have been cited by the examiner on form PTO-892, they have not been considered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1- 6, 10-15 and 19-24 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 5,991,828 to Horie et al.

As concerns claims 1, 10 and 19 a method of identifying I/O devices in a network comprising: registering in a service record in a database, a service name corresponding to an I/O device (figure 6-g-registering); appending a unique suffix to the service name identifying the service name as the name of a particular I/O device (column 5, lines 57-58); and accessing said I/O device by looking up the registered service name and appended suffix in the database (figures 6-8).

As concerns claims 2, 11 and 20 further comprising storing additional addressing parameters pertaining to the I/O device in other fields of the service record (column 4, line 56; figure 6- (i) and (j)).

As concerns claims 3, 12 and 21 further comprising sending a request from a host to a subnet manager of the database, said request including parameters enabling all service records pertaining to an I/O device to be returned to the host such that the host has access the I/O device (figures 6-8).

As concerns claims 4, 13 and 22 further comprising identifying all physical paths (figures 4, 6 and 8) for the host in the network to said I/O device by examining the response to a single request to the subnet manager of the database.

As concerns claims 5, 14 and 23 wherein the network includes an IOU adapter (col. 7, line 10-relay device 10; figure 6 (g)-name server) providing access to the I/O device, and identifying the I/O device includes identifying the IOU adapter such that access to the I/O device does not require polling the IOU adapter (figure 6-(d),(e)-does not require access/polling name server).

As concerns claims 6, 15 and 24 wherein the addressing parameters includes indicating that the I/O device is inaccessible such that addressing the I/O device determines that the I/O device is inaccessible without polling the IOU adapter (figure 6- (d), (f) (g)-inaccessible since not registered must access an IOU adapter/name server).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 7-9, 16-18 and 25-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,991,828 to Horie et al. in view of U.S. Patent No. 7,206,314 to Liao et al.

Horie et al. '828 do not explicitly disclose the network is an Infiniband network. Horie et al. '828 disclose various network configurations can be used (col. 5, lines 16-21; col. 4, line 38).

Liao et al. '314 teach an Infiniband network (abstract line 2; col. 1, lines 33-45).

It would have been obvious to one having ordinary skill in the art at the time of the invention to provide the system of Horie et al. '828 with an Infiniband network, as taught by Liao et al. '314, in order to provide a network that can carry data at high rates of speed (col. 1, line 47). Furthermore such a modification is a combination of known elements that yields predictable results.

As concerns claims 8, 17 and 26 wherein said additional addressing parameters includes the IOCGUID (Liao: col. 6, lines 30-55) pertaining to the I/O device.

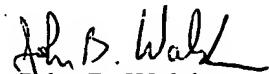
As concerns claims 9, 18 and 27 wherein the I/O device is an FCP I/O device (Liao: column 3, lines 40-41), and the additional addressing parameters include identifying the corresponding SRP I/O device (Liao: col. 1, line 60; Horie: col. 7, lines 9-10; col. 7, lines 14-17) which provides access to the FCP I/O device.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John B. Walsh whose telephone number is 571-272-7063. The examiner can normally be reached on Monday-Thursday from 7:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on 571-272-3964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


John B. Walsh
Primary Examiner
Art Unit 2151